

CLAIMS

1. A system for securing signals in a communications system comprising:
 - first means for incorporating a code within a signal;
 - second means for employing said code to decode said signal; and
 - third means for selectively preventing detection by said second means of a
5 subsequent signal employing said code.
2. The system of Claim 1 wherein said third means includes a predetermined delay after receipt of said signal by said second means, said predetermined delay sufficient to prevent detection by said second means of said subsequent signal employing said code, and wherein said code is a function of a time value associated
5 with said signal, and wherein said subsequent signal incorporating said code lacks a corresponding accurate time value due to said predetermined delay, thereby disabling detection of said subsequent signal via said second means.
3. The system of Claim 2 wherein said second means includes a receiver having a delay buffer, said delay buffer sufficient to add said predetermined delay to said signal before detection by said second means.
4. The system of Claim 3 wherein said receiver has a correlator that employs said code to detect said signal.
5. The system of Claim 4 wherein said predetermined delay is longer than a search window employed by said correlator.

6. The system of Claim 4 wherein said receiver incorporates a clock whose time is selectively adjustable via a received signal and not user-adjustable via said receiver.

7. The system of Claim 6 wherein said receiver includes means for receiving a time value from said clock, adding a user-adjustable modification thereto, and outputting an adjusted time value in response thereto.

8. The system of Claim 7 wherein said receiver incorporates a clock whose time is selectively adjustable via a received authenticated signal and user-adjustable only if said code is reset or erased.

9. A secure receiver system comprising:

first means for receiving a signal and providing a received signal in response thereto;

5 second means for delaying said received signal by a predetermined interval and providing a delayed signal in response thereto; and

third means for decoding said delayed signal via a decoding sequence generated by said third means and providing a decoded signal in response thereto.

10. The system of Claim 9 wherein said second means includes a delay buffer.

11. The system of Claim 10 wherein said delay buffer implements a delay of at least 0.5 seconds

12. The system of Claim 10 wherein said predetermined interval is greater than or equal to a search window employed by said receiver system.

13. The system of Claim 9 wherein said third means is in communication with a receiver clock, said receiver clock including a fourth mechanism for allowing said receiver clock to only be set via information contained in said received signal.

14. The system of Claim 13 wherein said third means includes means for tracking an earliest received signal.

15. An efficient receiver comprising:

- first means for receiving an encoded signal;
- second means for detecting and decoding said encoded signal via a replica of a code or inverse thereof employed to encode said encoded signal, said second means characterized by a search window; and
- third means for selectively delaying said encoded signal beyond said search window prior to decoding by said second means.

16. A spread spectrum communication system having reduced noise comprising:

- first means for encoding a signal via a predetermined code and transmitting a corresponding encoded signal;
- second means for receiving said encoded signal said second means including a receiver that employs a replica of said predetermined code and a search window to detect said encoded signal; and
- third means for selectively delaying said encoded signal beyond said correlation window.

17. A method for preventing spoofing of a signal comprising the steps of:

- incorporating a cryptographic code within said signal, said cryptographic code a function of a time value associated with said signal and
- employing said cryptographic code to detect said signal after a predetermined delay after receipt of said signal via said second means, said predetermined delay

sufficient to prevent detection by said second means of a subsequent signal employing said cryptographic code.